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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/582,896	06/13/2006	Wakahiro Kawai	H0625.0005/P005	1518
24998 7590 08/25/2009 DICKSTEIN SHAPIRO LLP 1825 EYE STREET NW Washington, DC 20006-5403				
EXAMINER				
KOYAMA, KUMIKO C				
ART UNIT		PAPER NUMBER		
2887				
MAIL DATE		DELIVERY MODE		
08/25/2009		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/582,896

Applicant(s)

KAWAI, WAKAHIRO

Examiner

KUMIKO C. KOYAMA

Art Unit

2887

Period for Reply -- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 24 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-8 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-8 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 13 June 2006 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-85/86)
- Paper No(s)/Mail Date 0606, 1206, 1207, 0208
- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Preliminary Amendment received on August 24, 2006 has been acknowledged.

Specification

1. The abstract of the disclosure is objected to because it includes reference numbers. Correction is required. See MPEP § 608.01(b).

Claim Objections

2. Claims 1 and 6 are objected to because of the following informalities:
Claim 1: "IC tag" should be changed to --integrated circuit (IC) tag--.
Claim 6: Claim 6 appears to be a dependent claim. However, it does not indicate which claim it is dependent on. The Examiner respectfully requests the Applicant to clarify this matter.
3. Appropriate correction is required.
4. Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vandebult (US 4,369,557) in view of Reiner (US 6,850,420).

Re claim 1 and 2: Vandebult shows in Fig. 7, a product obtained by forming an electronic part holding film with a flexible sheet 90 on which an antenna coil 92 is formed, and folding the electronic holding film in one direction (as indicated along chain-dotted line 102-102', col 10, lines 65-66) such that the electronic part holding film is divided into sections (Fig. 7, top section above line 102-102', and bottom section below line 102-102') having substantially an identical size. Fig. 7 shows that the sections of the electronic part holding film 90 respectively having winding conductor patterns 92 (also 98, 100) each formed on at least on surface of each of the sections such that respective centers 94, 96 of the winding conductor patterns match each other when the electronic part holding film is folded. Fig. 7 shows that the winding conductor patterns 98, 100 respectively formed on the sections constituting the antenna coil in which the winding conductor patterns are serially connected to each other via a predetermined connecting part (at the folding line 102-102', the two winding patterns 98, 100 are connected serially) so that a current flows in one winding direction when the electronic part holding film is folded (col 10, line 67-col 11, line 5). Fig. 7 shows that the winding conductor patterns provided in the sections having ends in which terminals pads 94, 96 are formed and to which the predetermined connecting part is not connected, respectively, the terminal pads 94, 96 of the winding conductor patterns whose centers match each other when the electronic part holding film 90 is folded being electrically connected to each other.

Vandebult fails to teach an electronic part being provided on a circuit board. Vandebult also fails to teach that the electronic part module is provided on the electronic holding film so as

to bridge across a circulation conductor bundle which constitutes the winding conductor patterns whose centers match each other when the electronic part holding film is folded, and the electronic part module is formed so as to be folded when the electronic part holding film is folded.

Reiner shows, in Fig. 3, a semiconductor chip 4, which is an electronic part being provided on a circuit board. The semiconductor chip 4 bridges across the component 5a, 6a to the component 5b, 6b. Line 7 indicates the center axes and folding line.

Therefore, it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to integrate the teachings of Reiner to the teachings of Vandebult and provide a semiconductor chip so that the tag or card is also cable to storing and transmitting information via the antenna, and therefore, the tag or card can be uniquely identified without being mistaken with others.

Re claim 3: As shown in Fig. 7 of Vandebult, the terminal pads 94, 96 are provided inside portions surrounded by the winding conductor patterns 92, 100 provided in the sections, respectively.

Re claims 4 and 5: Vandebult further discloses that an adhesive can be applied to the face areas of the insulative web (and inserted layer, if used) which will confront one another when the web is folded and the web then folded and pressed to effect sealing and fix the capacitor value (col 10, lines 7-12).

7. Claim 6-8 are rejected under 35 U.S.C. 103(a) as being unpatentable over Vandebult in view of Reiner as applied to claim 5 above, and further in view of Miller (US Patent Application

Publication No. 2003/0178035 A1). The teachings of Vandebult as modified by Reiner have been discussed above.

Vandebult as modified by Reiner fails to teach a folding mark allowing the electronic part holding film to be folded easily, and the step being carried out before the step of folding. Vandebult as modified by Reiner also fails to teach forming the folding mark includes the step of making a cut line by using a laser.

Miller discloses a laser cutting method, using a laser beam to cut through the material at the edge cuts and holes, and to remove about half of the thickness of material at the fold lines (Paragraph [0036], lines 5-9).

Therefore, it would have been obvious to an artisan of ordinary skill in the art at the time the invention was made to integrate the teachings of Miller to the teachings of Vandebult as modified by Reiner such that half of the material is removed at the fold lines so that the folding process is easier, and reduces the chances forming cracks.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KUMIKO C. KOYAMA whose telephone number is (571)272-2394. The examiner can normally be reached on Monday-Friday 8am-4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Steve Paik can be reached on 571-272-2404. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kumiko C. Koyama/
Primary Examiner, Art Unit 2887
August 22, 2009